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Attorney Docket No. 02/078 NUT  
Customer No. 38263

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: *Raczek et al.*

Group Art Unit: 1621

Application No. 10/730,180

Examiner: M. L. Shippen

Filed: December 8, 2003

Confirmation No.: 2906

For: IONIC COMPOUNDS OF QUATERNARY  
AMMONIUM CATIONS WITH ANIONS OF  
PRESERVATIVE ACIDS, PREPARATION THEREOF,  
AND USE THEREOF FOR PRESERVATION

**AMENDMENT**

Commissioner for Patents  
Alexandria, VA 22313-1450

Charlotte, North Carolina  
June 13, 2005

Dear Sir:

In response to the non-final Office Action dated December 29, 2004 kindly consider the following amendments and remarks. Also enclosed is the necessary request for extension of time to be charged to Deposit Account 50-2193.

**Amendments to the Claims** are reflected in the listing of claims which begins on Page 2 of this paper.

**Amendments to the Specification** are provided in the replacement paragraph which begins on Page 7 of this paper.

**Remarks** begin on Page 8 of this paper.

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**ProPat, L.L.C.**

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**Fax**

<b>To:</b>	USPTO Examiner M. L. Shippen Art Unit 1621	<b>From:</b>	Claire Wygand for Cathy R. Moore Phone: (704) 365-4881 Fax: (704) 365-4851
<b>Fax:</b>	(703) 872-9306	<b>Pages:</b>	21 pages total Transmittal facsimile cover sheet (1 page) 3-month extension of time (1 page) Fee transmittal (1 page) Credit card form (1 page) Amendment (17 pages)
<b>Phone:</b>		<b>Date:</b>	June 13, 2005
<b>Re:</b>	Application No. 10/730,180 Filed December 8, 2003 Our Ref.: 02/078 NUT Response to Office Action dated 12/29/04	<b>CC:</b>	

Dear Examiner Shippen,

Attached are the documents as indicated above.

Respectfully submitted,

*Claire Wygand*  
Claire Wygand

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JUN 13 2005

PTO/5B/17 (10-03)

Approved for use through 07/31/2008. OMB 0851-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**FEE TRANSMITTAL  
for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) **1,020.00****Complete If Known**

Application Number	10/730,180
Filing Date	December 8, 2003
First Named Inventor	Raczek
Examiner Name	M. L. Shippen
Art Unit	1621
Attorney Docket No.	02/078 NUT

**METHOD OF PAYMENT (check all that apply)**☐ Check ☒ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:Deposit Account Number  
50-2193Deposit Account Name  
ProPat, LLC

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) or any underpayment of fee(s)  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.
**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 630	2003 285	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 180	2005 80	Provisional filing fee	
<b>SUBTOTAL (1)</b>			<b>(\$)</b>

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims		Extra Claims		Fee from below		Fee Paid
Independent Claims		-20** =		X		
Multiple Dependent		-3** =		X		

Large Entity		Small Entity		Fee Description
Fee Code (\$)	Fee	Fee Code (\$)	Fee	
1202	18	2202	9	Claims in excess of 20
1201	88	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	88	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

\*\*or number previously paid, if greater. For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1281 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	1,620.00
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1480 130	1480 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1808 180	1808 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.128(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$) **1,020.00****SUBMITTED BY**

Name (Print/Type) Cathy R. Moore

Signature

Cathy Moore

Registration No.  
(Attorney/Agent)

45,764

(Complete if applicable)

Telephone 704 365-4881

Date

6/13/2005

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.